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PREPRINT

NASA TM X-65380

# PROVISIONAL HOURLY VALUES OF EQUATORIAL DST JANUARY TO JUNE 1970

M. SUGIURA  
D. J. POROS

NOVEMBER 1970



**GODDARD SPACE FLIGHT CENTER**  
GREENBELT, MARYLAND

FACILITY FORM 602

N71-10605  
(ACCESSION NUMBER)

(PAGES)

tmx 65380  
(NASA CR OR TMX OR AD NUMBER)

(THRU)

G3

(CODE)

13

(CATEGORY)

**PROVISIONAL HOURLY VALUES OF  
EQUATORIAL DST  
JANUARY TO JUNE 1970**

**M. Sugiura and D. J. Poros**

**November 1970**

Hourly values of Dst given in this report are based on two observatories, Honolulu and San Juan, and are only provisional. They will be replaced later by data based on three observatories.

**JAN**

**JAN**

334

334

**M A R**

**M A R**

**A P R**

**A P R**

**MAY**

**MAY**

257

257

100%

100%

30

25

20

15

10



10

# JANUARY 1970

UNIT=GAMMAS			G.M.T.																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	9	11	12	12	12	10	11	17	18	18	18	19	15	13	12	12	10	12	14	17	14	12	10	12		
2	7	-4	-8	-15	-7	-12	-11	-9	5	1	-1	-3	-4	-4	-11	-17	-25	-27	-23	-34	-40	-32	-26	-30		
3	-22	-21	-21	-18	-14	-12	-13	-13	-8	-11	-13	-12	-12	-12	-12	-12	-11	-13	-13	-17	-20	-20	-14	-8		
4	-6	-8	-7	-6	-2	-2	-2	-3	-2	-4	-2	-0	1	3	1	1	3	3	2	-4	-8	-10	-10	-8		
5	-7	-7	-5	-2	2	5	13	16	13	4	5	8	10	13	15	14	21	24	20	21	16	11	5			
6	-5	-3	0	1	4	4	7	6	5	5	6	7	7	8	9	7	4	3	-3	-2	-0	-2	1			
7	5	5	5	8	12	13	12	11	12	13	14	15	13	14	15	18	19	14	1	-4	-5	-6	-8			
8	-4	2	1	1	4	6	4	2	3	5	7	11	14	22	22	24	20	8	14	14	32	32	23			
9	2	-2	-0	0	-1	-2	-1	-2	6	8	7	12	17	20	23	21	22	23	23	18	14	12	8			
10	-1	-4	9	12	13	14	13	12	11	10	12	12	13	17	25	28	25	20	17	7	6	11	13			
11	16	11	9	7	8	13	13	10	12	14	13	15	17	18	18	23	28	27	26	19	16	14	14			
12	1	2	-1	-1	1	6	5	6	7	7	5	9	21	32	36	36	36	27	17	21	20	13	10			
13	11	14	14	10	11	13	12	14	15	14	14	13	13	9	5	7	9	17	21	21	24	24	16			
14	13	15	13	5	8	11	11	9	8	8	8	6	1	-4	-6	-3	-1	3	7	9	15	18	14			
15	12	12	8	10	15	25	27	26	23	22	23	25	23	21	21	22	19	20	18	15	15	13	6			
16	1	0	-3	-7	-4	-4	-9	-10	-7	-8	-6	-1	-15	-13	-16	-23	-28	-25	-29	-34	-44	-46	-47			
17	-63	-62	-58	-57	-45	-39	-34	-28	-26	-25	-21	-18	-16	-14	-12	-9	-6	-8	-7	-9	-11	-8	-10			
18	-15	-16	-13	-12	-8	-6	-8	-14	-12	-9	-7	-5	-7	-4	-0	8	13	8	10	10	5	-0	2			
19	13	14	13	14	13	15	14	9	7	6	8	11	12	11	11	16	16	13	10	12	11	6	3			
20	-4	-6	-4	-5	2	6	7	7	8	9	10	8	3	-0	6	7	16	17	18	7	-8	1	12			
21	13	11	11	10	9	11	13	13	9	7	10	11	9	9	12	19	21	18	17	7	4	7	7			
22	4	6	5	4	6	13	12	10	11	11	12	12	9	6	6	8	10	13	17	19	20	21	17			
23	10	7	4	1	6	10	10	9	9	9	11	13	11	10	15	22	23	22	23	19	16	19	13			
24	9	6	6	6	10	14	13	6	5	3	7	8	3	2	4	9	12	13	12	10	7	1	3			
25	3	6	6	6	9	11	10	9	10	8	10	12	10	9	8	10	12	11	15	13	13	15	15			
26	13	13	11	10	13	16	13	11	10	9	9	10	10	11	8	7	8	12	16	16	11	9	5			
27	8	11	9	7	14	17	17	17	16	14	13	16	15	17	16	18	23	25	27	26	18	7	-2			
28	-0	7	11	15	16	18	17	18	18	18	20	22	23	27	29	26	44	44	44	35	32	29	23			
29	12	15	15	16	18	18	13	7	12	12	9	11	9	10	16	16	20	19	25	32	29	28	27			
30	12	15	22	20	18	11	13	15	13	15	16	18	22	26	24	28	20	11	20	15	11	11	14			
31	8	2	-6	-3	2	4	3	3	3	3	3	7	9	14	18	24	27	25	16	11	11	11	11			

FEBRUARY 1970

DAY	UNIT=GAMMAS										G.M.T.													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	-0	2	4	3	3	5	13	11	11	10	12	12	13	15	16	17	16	15	19	19	22	25	22	5
2	3	3	7	4	4	4	5	3	9	11	5	-3	-4	-1	4	4	-3	-6	-7	-14	-19	-15	-10	-22
3	-6	-4	-1	-2	-1	-1	0	2	2	3	1	2	1	-1	-1	-1	-4	-5	-1	4	7	9	12	15
4	8	8	7	7	10	9	9	10	3	-3	-1	3	7	9	7	1	-4	-19	-16	-12	-11	-8	-6	-4
5	-7	-6	-7	-9	-7	-1	0	3	1	-0	-0	-0	1	-0	0	-3	-5	-8	-3	0	1	3	0	1
6	1	1	-1	0	-0	2	2	1	1	1	2	3	5	5	7	9	9	6	6	6	3	0	2	8
7	10	8	6	4	4	7	8	9	8	6	6	4	1	-3	-7	-10	-13	-10	-3	2	2	6	11	14
8	12	8	7	5	11	14	14	14	13	14	13	10	8	7	7	7	7	7	9	11	10	9	12	15
9	13	11	10	11	14	13	11	14	13	11	11	12	11	8	4	4	4	8	16	21	24	22	21	28
10	26	25	23	22	19	16	15	13	14	14	14	16	18	16	18	20	17	6	0	3	5	3	4	11
11	13	15	16	14	13	11	13	14	12	7	4	5	6	5	5	4	-1	-4	-6	-4	1	8	12	11
12	5	10	13	17	19	19	17	18	17	16	15	17	19	18	18	19	20	19	12	14	17	19	20	22
13	13	13	15	23	25	23	23	24	25	22	21	24	29	33	34	35	33	29	23	19	18	20	25	27
14	22	19	13	3	-6	-7	-4	-1	1	4	3	9	8	9	8	7	-2	-5	-3	0	-0	2	3	6
15	4	1	-4	-5	-4	-5	-8	-8	-7	-5	-2	6	8	9	5	5	5	1	5	11	15	22	24	19
16	17	18	15	14	15	16	16	16	15	12	12	11	13	13	13	10	8	7	9	11	12	13	11	13
17	16	15	12	11	16	19	19	20	20	19	17	15	16	18	21	21	20	19	5	-8	-10	-14	-10	-5
18	-2	-3	-3	-0	1	-2	-4	-2	-0	0	2	4	4	4	4	5	6	7	6	7	4	7	6	8
19	11	12	11	8	9	10	10	10	8	7	7	7	8	8	9	9	7	6	8	13	11	11	15	23
20	21	20	19	17	17	15	15	16	14	13	13	12	9	4	4	0	8	8	8	5	3	3	9	17
21	18	17	17	15	20	18	15	16	16	14	14	12	11	9	5	2	-1	-3	2	5	7	13	17	23
22	20	18	16	20	19	20	20	19	17	16	17	16	15	14	13	11	9	8	12	19	18	17	18	21
23	17	19	20	23	24	23	25	25	24	24	23	25	30	31	31	29	27	24	23	22	34	37	36	34
24	22	30	25	25	23	25	25	24	22	24	26	28	29	35	40	22	27	34	20	21	14	3	3	9
25	8	9	9	13	14	20	18	19	18	15	12	11	14	16	18	18	16	17	19	17	14	14	19	21
26	16	10	3	1	-1	-1	-6	-10	-10	-11	-9	-11	-14	-4	-11	-12	-13	-14	-12	-17	-18	-15	-10	-5
27	-8	-12	-14	-14	-11	-8	-5	-9	-10	-13	-13	-12	-9	-6	-6	-5	-5	-9	-7	5	7	-7	-10	-16
28	-29	-33	-31	-25	-14	-15	-15	-17	-22	-18	-14	-9	-6	-8	-7	-6	-1	-7	-5	-0	4	7	5	5

MARCH 1970

UNIT=GAMMAS			G.M.T.																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	-7	-11	-3	-13	-17	-16	-19	-26	-42	-46	-33	-15	-22	-30	-31	-34	-35	-29	-29	-24	-15	-13	-12	-12		
2	-22	-30	-32	-30	-30	-39	-33	-28	-30	-22	-21	-16	-12	-7	1	4	4	-1	0	3	8	9	11	5		
3	-1	1	-0	-1	0	-4	-5	-9	-10	-8	-4	-5	-6	-5	-4	-2	-4	-10	-11	-9	-11	-14	-5	1		
4	3	-2	-7	-4	1	1	-3	-6	-6	-1	-1	-8	-6	-5	-5	-6	-11	-11	-11	-13	-12	-12	-6	-4		
5	-9	-10	-4	-2	0	-2	1	-2	3	-1	6	3	4	4	10	19	26	18	-1	-2	-10	-22	-10	-10		
6	-24	-31	-13	-11	-8	-9	-9	-16	-19	-22	-9	-10	-12	-13	-13	-10	-12	-20	-19	-23	-36	-47	-57	-51		
7	-45	-57	-39	-42	-45	-38	-33	-38	-31	-27	-30	-35	-26	-28	-32	-18	-13	-7	-27	-33	-1	-10	1	-30		
8	-37	-35	-34	-35	-52	-70	-79	-73	-63	-61	-49	-41	-52	-52	-41	-41	-52	-25	-76	-152	-210	-265	-281	-266		
9	-251	-234	-222	-205	-191	-179	-165	-160	-157	-149	-137	-138	-135	-127	-120	-107	-95	-105	-92	-81	-81	-86	-78	-75		
10	-68	-62	-60	-64	-66	-68	-64	-66	-66	-68	-65	-71	-72	-70	-68	-65	-61	-55	-55	-53	-50	-47	-40	-36		
11	-38	-40	-38	-39	-38	-40	-40	-44	-48	-50	-48	-55	-54	-55	-53	-48	-46	-43	-41	-37	-29	-25	-21	-24		
12	-26	-28	-26	-30	-30	-32	-32	-38	-42	-37	-28	-29	-24	-19	-16	-18	-20	-21	-20	-12	-5	-6	-8	-7		
13	-8	-8	-6	-9	-9	-14	-19	-19	-22	-21	-19	-25	-25	-24	-23	-25	-21	-20	-19	-20	-24	-18	-10	-9		
14	-11	-16	-13	-12	-10	-13	-10	-13	-18	-18	-16	-18	-19	-17	-14	-10	-7	-6	-8	-4	-1	0	3	4		
15	0	-5	-8	-13	-20	-26	-23	-20	-25	-22	-16	-19	-18	-12	-6	0	4	5	2	-0	2	3	9	8		
16	8	3	3	-1	-4	-4	-3	-6	-10	-10	-8	-14	-15	-12	-7	-0	5	7	10	16	22	24	28	26		
17	22	19	17	13	10	7	8	8	6	8	9	1	-5	-7	-3	3	9	13	12	11	14	13	8	3		
18	2	5	5	4	3	2	1	-2	-4	-2	-7	-14	-18	-17	-7	3	2	5	8	10	16	12	5	1		
19	1	4	6	5	5	2	1	-3	-6	-5	-4	-10	-6	-1	5	11	11	10	7	12	14	6	5	7		
20	9	9	10	7	7	5	5	1	-4	-5	-1	-6	-7	-7	-2	1	6	8	4	2	7	7	5	2		
21	0	0	3	-0	2	0	-0	-2	-5	-5	-3	-7	-7	-2	1	7	7	5	1	6	13	14	16	17		
22	17	20	20	17	14	12	11	7	2	2	3	-3	-5	-2	5	10	10	11	9	13	19	19	24	23		
23	25	23	21	15	17	14	14	8	-1	1	3	-1	-3	-5	-1	5	6	8	8	8	18	22	29	31		
24	26	21	21	15	14	11	10	7	3	6	8	5	5	10	15	17	16	15	14	19	27	23	20	22		
25	24	24	22	18	18	15	14	11	7	8	12	10	12	14	16	19	21	24	29	22	23	20	22	24		
26	25	25	24	19	12	7	8	8	3	5	10	7	6	9	12	13	15	19	21	24	28	27	24	24		
27	24	24	25	21	20	16	18	35	42	27	22	33	35	35	33	30	29	29	25	20	12	4	-13	-14		
28	-11	-12	-10	-8	-13	-11	-11	-15	-18	-16	-21	-20	-25	-28	-30	-32	-28	-29	-27	-24	-19	-12	-18	-31		
29	-29	-20	-26	-30	-31	-31	-30	-22	-25	-26	-25	-29	-29	-24	-19	-13	-15	-21	-20	-21	-9	-6	-0	-5		
30	-15	-1	4	-2	-7	-13	-17	-22	-13	-13	-15	-24	-27	-29	-23	-16	-19	-22	-18	-9	-6	-7	5	9		
31	8	4	1	-0	-9	5	4	-26	-36	-39	-33	-28	-30	-26	-39	-2	5	4	-16	-30	-30	-19	-26	-38		



APRIL 1970

UNIT=GAMMAS			G.M.T.																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	-26	-22	-23	-25	-28	-27	-28	-30	-31	-31	-32	-30	-33	-28	-17	-11	-8	-12	-11	-13	-15	-10	9	11		
2	4	8	9	6	-3	-8	-10	-12	-14	-15	-17	-17	-18	-14	-9	-6	-3	2	2	2	2	5	10	13		
3	14	12	8	8	-6	-15	-17	-8	-9	-14	-15	-11	-17	-19	-13	-1	5	3	8	13	11	14	20	17		
4	13	17	11	10	8	6	1	-5	-5	-3	-3	-4	-4	-3	7	14	20	23	26	26	23	25	31	29		
5	28	34	33	30	23	20	13	11	9	3	1	9	1	5	10	15	22	23	26	29	26	30	33	32		
6	25	20	16	13	-2	-4	-7	-21	-20	-15	-11	-16	-22	-17	-6	-8	-3	-8	-2	-8	-15	-13	-8	2		
7	1	9	15	16	9	5	-2	-5	-1	-8	-12	-10	-15	-11	-5	-1	4	9	17	22	18	20	26	25		
8	18	10	18	15	5	0	-1	0	-2	1	-2	-5	-6	-4	-1	-2	4	9	19	29	25	24	20	15		
9	17	20	22	23	25	20	11	1	12	16	9	14	-7	-10	-11	-13	-16	-18	-14	-11	-8	-1	-4	-4		
10	-0	6	10	15	14	12	7	6	5	4	1	1	-0	6	12	16	20	24	29	31	28	22	22	14		
11	8	5	13	17	11	7	3	1	-1	-4	-2	1	-1	1	2	2	7	8	13	16	15	16	16	13		
12	14	20	24	20	16	12	3	-3	-5	-1	-1	3	3	12	19	18	20	22	24	25	22	22	27	26		
13	24	29	31	25	20	18	13	12	11	10	7	4	1	9	21	28	35	36	41	40	37	38	43	41		
14	35	42	44	40	32	27	21	19	17	15	11	8	2	9	20	23	23	19	20	22	23	31	36	34		
15	32	38	40	38	34	31	28	25	21	23	21	22	16	18	22	25	25	23	11	4	5	14	21	20		
16	2	-2	-5	-1	-10	-7	-4	-8	-8	-9	-11	-11	-10	-5	3	8	14	18	19	13	-9	-26	-26	-37		
17	-45	-35	-28	-21	-33	-34	-29	-27	-25	-16	-18	-20	-21	-18	-13	-9	-6	-6	-17	-22	-26	-41	-27	-15		
18	-8	4	10	6	4	6	3	1	1	-5	-11	-13	-11	1	-1	-6	-1	-5	-3	-5	-6	-14	-15	-13		
19	-2	6	-11	-23	-26	-25	-20	-25	-34	-42	-34	-24	-15	-15	-13	-10	-18	-20	-18	-17	-20	-15	-5	-4		
20	-3	2	1	-5	-4	-10	-14	-13	-13	-14	-17	-10	-9	-13	-1	-2	-3	-5	-0	9	13	8	-1	-13		
21	-12	-2	-1	3	-11	-24	-31	-32	-32	-48	-57	-67	-63	-74	-92	-101	-108	-108	-122	-120	-114	-117	-132	-122		
22	-121	-128	-140	-132	-85	-79	-72	-78	-73	-53	-55	-54	-56	-44	-40	-47	-45	-44	-37	-30	-29	-23	-20	-20		
23	-22	-19	-17	-19	-22	-24	-30	-38	-37	-34	-31	-30	-33	-32	-27	-25	-21	-26	-25	-26	-28	-29	-31	-34		
24	-33	-25	-30	-31	-30	-31	-33	-35	-36	-36	-36	-34	-32	-23	-18	-8	-2	-5	-4	-1	-9	-9	3	7		
25	3	5	5	3	-1	-8	-18	-22	-29	-35	-33	-18	-10	-4	1	2	5	3	1	-7	-20	-10	-5	-13		
26	-10	-6	-3	-8	-9	-7	-9	-10	-11	-10	-10	-11	-23	-21	-18	-19	-14	-13	-8	-15	-14	-10	-5	-6		
27	-6	-11	-3	-1	-7	-7	-6	-14	-12	-11	-12	-11	-16	-15	-10	-9	-6	-1	4	3	2	10	15	14		
28	9	7	9	6	0	-3	-8	-5	-6	-7	-8	-8	-16	-9	-3	-4	-2	-1	6	7	5	9	14	13		
29	10	14	14	18	13	7	0	-0	0	-1	-4	-2	-4	-1	2	1	3	-0	1	2	7	12	13	14		
30	16	17	9	3	-15	-9	-1	-3	-5	-16	-18	-14	-16	-12	-15	-23	-18	-16	-5	-2	-6	-8	6	-4		

MAY 1970

UNIT=GAMMAS		G.M.I.																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	-8	3	5	-2	-1	-9	-10	-7	1	3	5	6	4	-4	-3	-4	-2	1	1	-1	-2	-3	-8	1	
2	1	8	8	3	3	3	-0	-1	6	7	7	10	13	7	3	-0	-1	-5	-1	-0	2	7	11	14	
3	17	19	20	13	12	10	9	7	11	12	13	15	18	19	17	16	18	18	16	16	14	7	5	9	
4	19	28	25	17	14	10	9	7	12	14	10	8	13	14	10	7	4	0	-3	-1	1	3	10	14	
5	14	14	15	11	15	13	12	10	16	15	10	7	5	5	-3	-3	-4	-6	-6	-1	5	7	9	2	
6	5	14	12	5	5	1	-1	-2	2	3	2	1	-3	-8	-10	-11	-13	-9	-6	1	10	20	29	33	
7	32	36	31	22	20	16	15	11	14	17	18	13	15	16	15	18	19	17	15	16	19	19	22	24	
8	25	30	29	25	24	20	20	17	19	20	21	22	23	24	23	24	26	22	22	17	9	9	8	10	
9	14	19	19	15	12	10	7	5	8	9	8	10	13	13	12	8	5	3	6	11	19	23	24	25	
10	23	26	25	20	19	15	12	8	11	12	14	16	16	12	11	10	6	2	0	2	6	14	23	30	
11	30	31	27	22	22	19	17	16	20	21	21	13	24	24	24	23	22	22	21	24	31	35	37	36	
12	32	29	23	22	16	17	21	21	19	19	16	13	16	16	13	12	10	6	-8	-8	-3	-10	-17	-9	
13	-2	2	-3	-12	-18	-20	-15	-13	-6	-4	-1	0	1	-3	-4	-5	-2	0	-3	-8	-6	5	9	9	
14	16	22	21	13	10	4	-2	-5	4	7	8	7	4	4	1	-0	-8	-12	-16	-13	-3	0	14	12	
15	14	1	4	3	-1	-9	-6	-6	-5	2	-1	-3	3	0	-2	-5	-6	-6	-9	-7	-3	3	9	12	
16	12	14	13	9	9	4	1	-1	8	9	6	6	9	3	8	11	9	5	2	2	6	5	10	12	
17	21	25	35	29	19	-3	-10	-2	9	12	14	6	4	-3	-5	-0	6	9	5	2	3	6	8	8	
18	5	10	7	-1	10	12	16	15	22	23	22	22	14	12	11	11	12	12	13	11	12	14	18	23	
19	23	25	27	18	15	11	15	13	13	16	14	16	21	24	27	29	30	29	28	24	21	23	26	25	
20	25	27	29	22	9	-1	-3	0	4	7	9	5	4	7	10	8	6	7	2	-1	-8	-10	-3	-4	
21	-8	3	3	1	2	1	0	-0	3	3	5	3	-1	-7	-11	-11	-8	-8	-12	-15	-13	-7	-2	4	
22	5	10	7	3	8	6	5	6	10	11	8	5	8	3	4	4	3	2	2	3	2	3	3	12	
23	16	23	23	18	16	14	13	8	13	16	16	15	15	20	25	23	19	16	7	3	2	2	3	8	
24	7	11	16	12	10	5	6	6	9	10	9	9	11	14	13	12	14	15	11	9	10	16	20	21	
25	19	15	9	7	9	3	7	9	13	13	9	1	-4	-10	-8	-10	-8	-4	-1	6	8	7	7	12	
26	14	19	19	17	16	14	11	9	13	15	15	15	16	14	14	13	11	13	19	22	23	26	27	27	
27	27	30	28	24	22	25	22	17	14	18	22	24	21	24	25	23	19	17	11	1	-4	-17	-33	-41	
28	-36	-48	-40	-21	-13	-10	-4	4	8	1	-8	-42	-56	-37	-53	-65	-66	-63	-67	-67	-61	-48	-38	-33	
29	-49	-41	-33	-35	-35	-35	-42	-33	-43	-38	-31	-32	-34	-37	-38	-37	-33	-30	-29	-27	-35	-30	-21	-14	
30	-16	-10	-11	-13	-13	-15	-14	-14	-9	-6	-13	-10	-7	-8	-10	-12	-12	-14	-12	-14	-10	-20	-17	-11	
31	-7	-0	0	-4	-3	-6	-5	-6	2	4	2	1	1	2	3	5	7	8	-1	-7	-6	-3	2	8	

JUNE 1970

DAY	UNIT=GAMMAS										G.M.I.													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	8	9	3	6	-4	-6	4	4	2	7	-0	5	12	13	13	13	11	8	0	-7	-17	-17	-22	-20
2	-17	-13	3	-1	3	4	7	7	10	17	16	18	19	18	16	12	7	6	6	5	5	11	11	9
3	11	13	9	5	2	-0	-4	-3	2	4	-5	-2	9	15	16	16	13	8	-3	-8	-7	-6	-10	-10
4	-11	-11	-5	1	-1	-6	-2	-0	2	3	-1	-2	2	4	6	10	13	18	16	11	5	2	3	3
5	2	9	9	7	9	4	-0	-3	0	5	6	3	5	6	6	6	7	6	7	7	8	13	17	15
6	15	17	18	19	21	20	18	15	15	16	15	15	18	20	22	22	24	30	32	33	32	28	22	21
7	22	25	25	24	24	22	24	24	26	27	28	36	43	49	48	45	48	51	49	35	29	12	10	-3
8	-4	-6	-20	-15	-7	-10	-9	-3	2	4	-4	-1	14	24	31	32	27	22	13	6	4	6	9	8
9	6	6	6	7	8	10	12	13	12	13	10	13	16	21	27	32	36	33	27	17	13	12	7	5
10	5	5	5	7	10	11	10	12	9	9	11	20	26	27	25	21	15	9	1	-3	-5	0	6	13
11	11	3	13	12	14	14	15	12	15	18	17	22	28	36	41	40	37	31	18	15	13	14	18	14
12	15	12	11	14	15	14	14	16	18	21	14	16	24	29	35	39	36	27	19	18	19	24	22	21
13	21	21	21	22	21	25	22	14	17	17	7	6	8	11	15	23	22	16	11	13	11	10	6	6
14	8	4	3	7	3	1	2	3	6	11	9	10	13	18	22	24	29	35	30	24	24	31	37	36
15	24	5	-0	5	11	4	-3	3	6	-1	-3	3	8	12	15	15	14	14	13	11	7	5	8	18
16	4	-1	-6	-9	-5	-3	-0	2	9	11	10	7	6	10	17	21	26	27	21	19	18	18	17	17
17	19	20	22	24	24	22	22	27	46	47	42	36	35	44	47	45	40	31	22	10	-3	-8	-14	-22
18	-21	-16	-3	4	6	6	6	10	5	-2	5	4	1	2	2	6	5	-4	-10	-19	-23	-21	-25	-16
19	-12	-9	-11	-16	-11	-14	-10	-8	-7	-6	-8	-3	4	9	10	6	2	-2	-10	-6	-1	4	1	-5
20	-19	-33	-38	-34	-35	-44	-39	-35	-34	-18	-18	-15	-15	-14	-11	-13	-13	-14	-12	-16	-26	-26	-36	-48
21	-56	-49	-54	-44	-41	-44	-48	-49	-47	-40	-36	-29	-17	-13	-12	-16	-18	-13	-11	-4	-1	-2	3	2
22	3	-0	2	5	4	3	4	5	7	9	6	7	6	6	3	5	11	16	27	35	33	32	38	-1
23	23	17	17	18	15	9	7	8	11	13	11	13	15	18	22	19	20	23	21	28	29	28	25	22
24	21	15	15	22	24	24	24	24	27	29	29	34	37	46	47	49	48	48	44	35	24	28	28	16
25	9	0	1	11	10	7	13	13	14	17	12	13	13	13	17	18	19	16	9	10	16	23	16	13
26	16	18	15	17	17	12	6	12	14	14	12	20	24	29	31	24	22	20	9	-1	-3	1	3	5
27	3	5	6	9	1	-4	14	22	3	-8	-7	2	-7	-10	-9	-4	-9	-10	-20	-19	-21	-26	-20	-16
28	-14	-17	-25	-22	-21	-15	-14	-14	-10	-9	-7	-9	-11	-12	-10	-11	-9	-7	-8	-8	-1	4	5	3
29	1	0	2	4	4	3	6	3	4	8	7	10	14	14	13	8	-0	-4	-7	-7	-6	-8	-5	-1
30	4	5	6	8	8	8	8	14	13	10	8	11	11	9	10	12	14	13	11	12	12	14	15	16

Daily Means of Equatorial Dst January - June 1970

Day	JAN	FEB	MAR	APR	MAY	JUNE
1	13	12	-22	-20	-1	1
2	-14	-2	-13	-4	4	7
3	-14	1	-5	-1	14	3
4	-3	1	-6	11	10	2
5	10	-2	0	19	7	6
6	3	3	-21	-5	3	21
7	8	3	-29	5	19	30
8	12	10	-89	8	20	5
9	10	13	-141	3	12	15
10	13	14	-61	13	14	10
11	15	7	-41	7	25	20
12	14	17	-23	14	11	21
13	14	24	-17	24	-4	15
14	8	4	-10	24	4	16
15	18	4	-8	23	-1	8
16	-18	13	2	-5	7	10
17	-25	11	8	-23	8	24
18	-3	3	1	-3	14	-4
19	11	10	3	-18	21	-4
20	5	12	3	-5	6	-25
21	11	12	3	-66	-3	-27
22	11	16	11	-63	6	12
23	13	26	11	-28	14	18
24	7	24	15	-20	12	31
25	10	15	18	-9	5	13
26	11	-7	16	-11	17	14
27	14	-8	22	-5	13	-5
28	23	-11	-20	0	-36	-10
29	17	0	-21	5	-34	3
30	17	0	-13	-6	-12	11
31	9	0	-16	0	-0	0
MEAN	7	8	-14	-5	6	8